

IN THE CLAIMS

Claim 1 (Currently amended): A system for controlling engine torque in a parallel/series hybrid electric vehicle, comprising:

a first control strategy embodied within a first controller to determine a modified engine torque signal from at least a desired engine torque signal and an estimated engine torque signal determined from at least an estimated generator motor torque signal; and

a second control strategy embodied within a second controller to determine variables for air, fuel and spark from said modified engine torque signal.

Claim 2 (Original): The system according to claim 1, wherein said first controller comprises a proportional integral (PI) controller.

Claims 3 – 4 (Cancelled):

Claim 5 (Currently amended): The system according to claim ~~[[3]]~~ 1, wherein said estimated engine torque signal is further a function of ~~an estimated generator motor torque signal,~~ a generator motor speed signal and an engine torque loss signal.

Claim 6 (Cancelled):

Claim 7 (Currently amended): A method for controlling engine torque in a parallel/series hybrid electric vehicle, comprising the steps of:

determining an estimated engine torque signal;

determining a modified engine torque signal from at least a desired engine torque signal and said estimated engine torque signal; and

determining variables for air, fuel and spark from said modified engine torque signal.

Claim 8 (Cancelled):

Claim 9 (Currently amended): The method of claim 7, wherein said ~~step of~~
~~determining a modified engine torque signal from at least a desired engine torque~~
~~signal comprising the steps of:~~
~~determining an estimated generator motor torque signal;~~
~~determining a generator motor speed signal;~~
~~determining an engine torque loss signal;~~
determining an estimated engine torque signal is determined from said an estimated
generator motor torque signal, said from a generator motor speed signal, and said
from an engine torque loss signal ; and
~~determining said modified engine torque signal from said desired engine torque~~
~~signal and said estimated engine torque signal.~~

Claim 10 (Currently amended): The method of claim 7, wherein said step of
determining a modified engine torque signal from at least a desired engine torque
signal and an estimated engine torque signal and comprises ~~comprising~~ the steps
of:

~~determining an estimated engine torque signal;~~
determining an engine torque error signal from a difference between said desired
engine torque signal and said estimated engine torque signal; and
using a proportional integral controller to operatively act upon said engine torque
error signal to determine said modified engine torque signal.

Claims 11 – 21 (Cancelled):